

Data File : VV010670.D  
Acq On : 03 May 2019 22:16  
Operator : SY/MD  
Sample : K2603-23  
Misc : 5.06G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: May 03 23:55:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 03 23:50:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 178084   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 185811   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 87264    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 34534    | 15.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.28% |
| 7) Chloroethane-d5             | 1.57   | 69    | 27747    | 17.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.32% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 50566    | 12.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.16% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 32636    | 47.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.16% |
| 24) Chloroform-d               | 4.40   | 84    | 99052    | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.12% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 61207    | 23.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.88% |
| 29) Benzene-d6                 | 5.10   | 84    | 210932   | 21.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.64% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 65927    | 22.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.40% |
| 37) Toluene-d8                 | 7.36   | 98    | 199528   | 21.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.24% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 26472    | 21.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.84% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 26152    | 49.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.60% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 59038    | 22.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 79109    | 23.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.24% |

#### Target Compounds

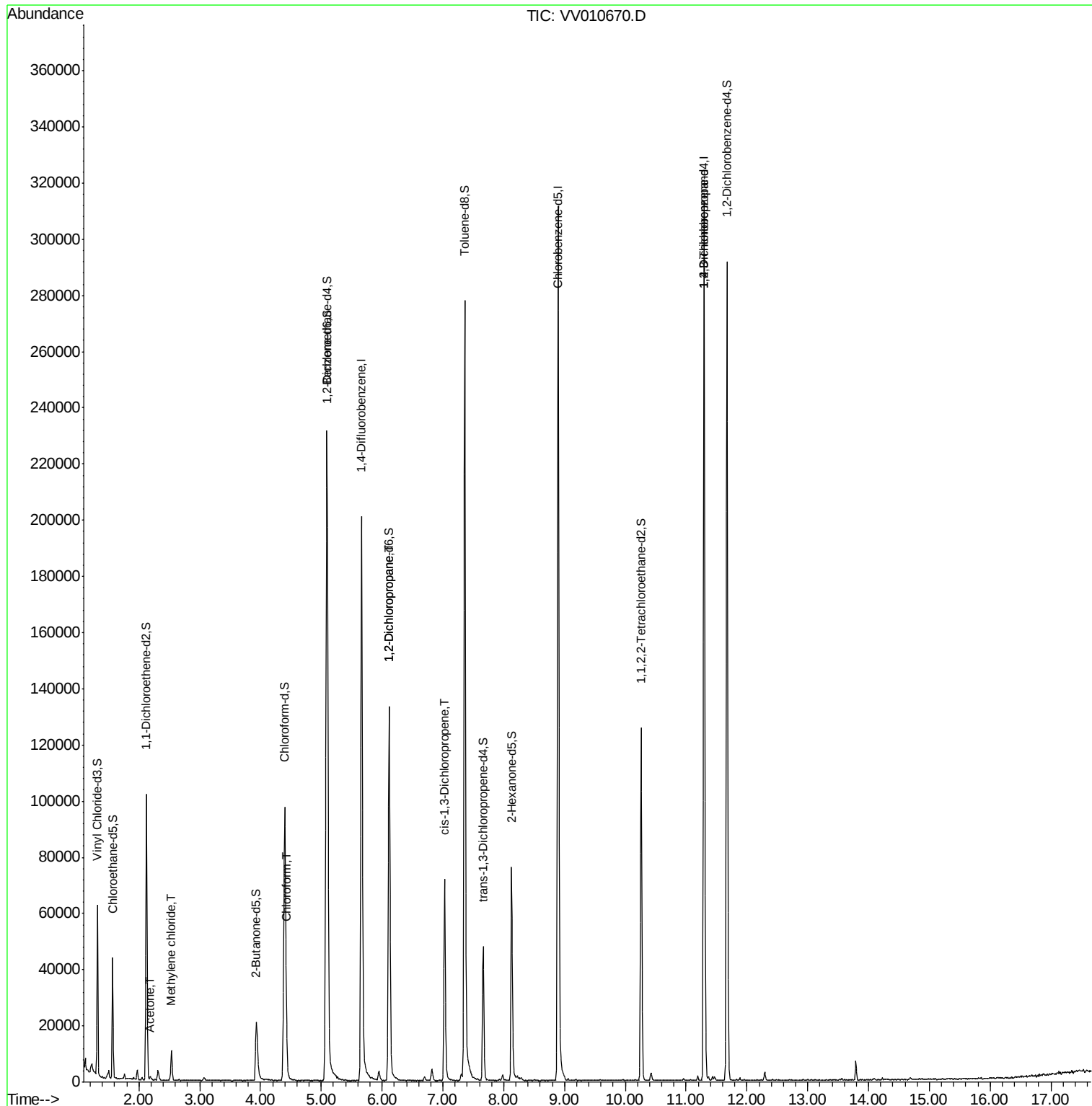
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                 | 2.19  | 43 | 728  | 1.238 ug/L   | 72     |
| 16) Methylene chloride      | 2.53  | 84 | 4558 | 1.835 ug/L   | 94     |
| 25) Chloroform              | 4.43  | 83 | 5551 | 1.264 ug/L # | 71     |
| 40) 1,2-Dichloropropane     | 6.12  | 63 | 7143 | 3.092 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene | 7.03  | 75 | 1893 | 0.560 ug/L # | 61     |
| 59) 1,2,3-Trichloropropane  | 11.30 | 75 | 9592 | 5.298 ug/L # | 87     |

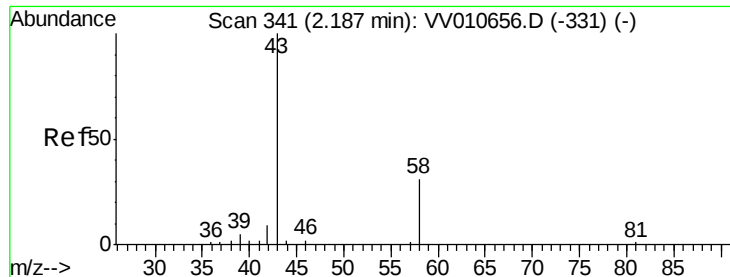
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.238 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010670.D

Acq: 03 May 2019 22:16

Instrument :

MSVOA\_V

ClientSampleId :

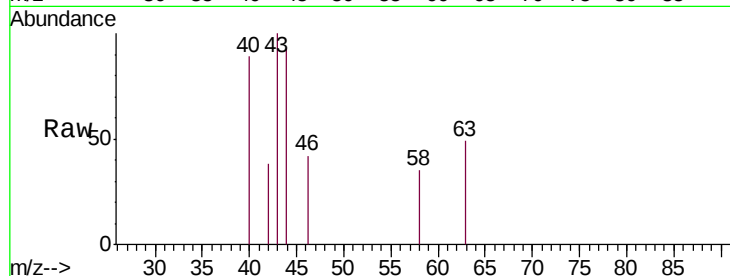
VHBLK01

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

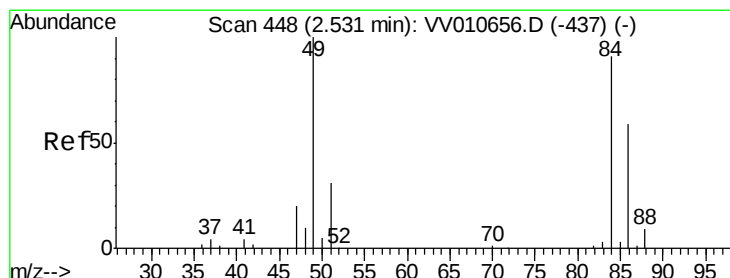
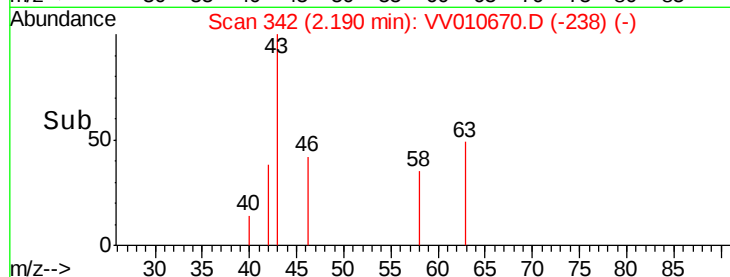
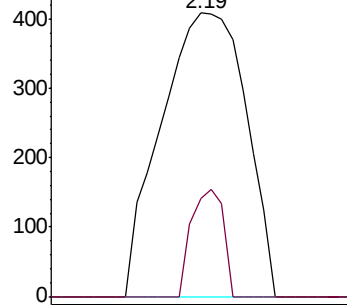
43 100

58 14.1 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010656.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010656.D (-331) (-)



#16

Methylene chloride

Concen: 1.835 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010670.D

Acq: 03 May 2019 22:16

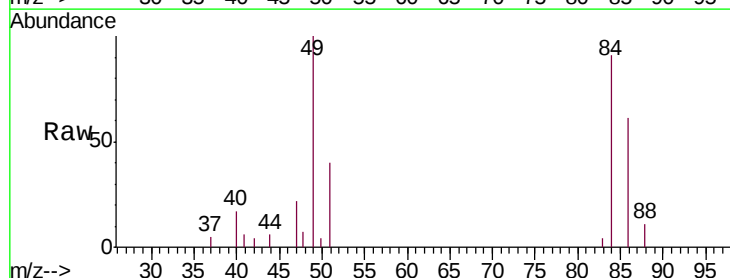
Tgt Ion: 84 Resp: 4558

Ion Ratio Lower Upper

84 100

49 110.4 81.9 152.1

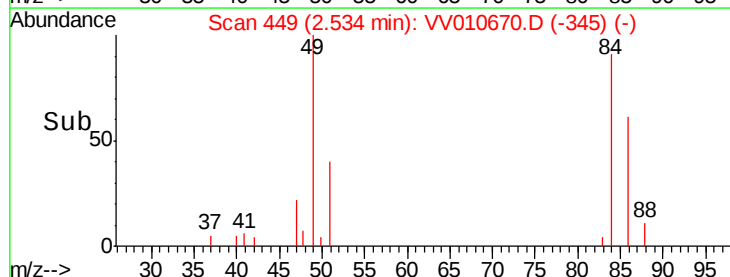
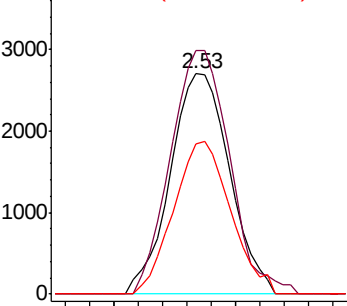
86 67.8 44.0 81.6

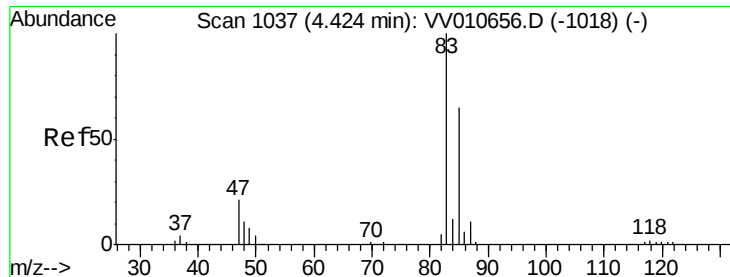


Abundance Ion 84.00 (83.70 to 84.70): VV010656.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010656.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010656.D (-437) (-)

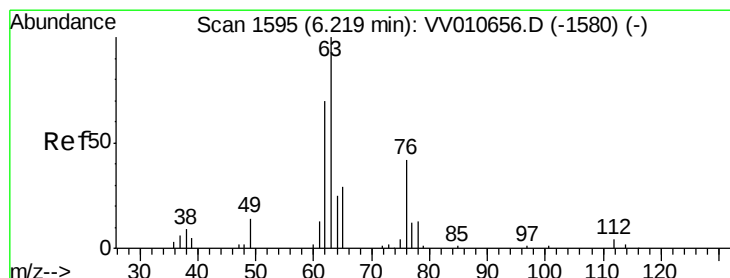
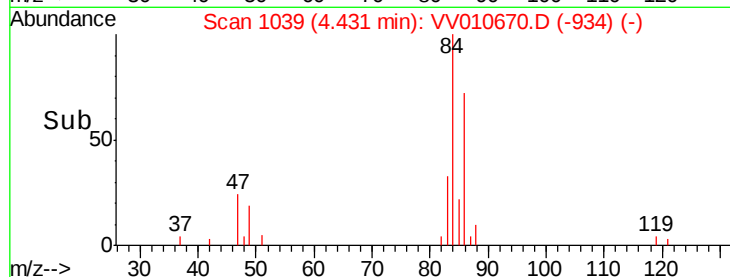
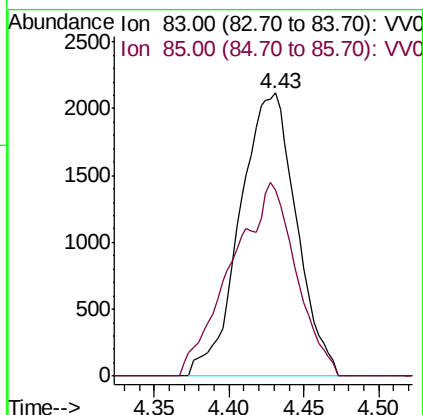
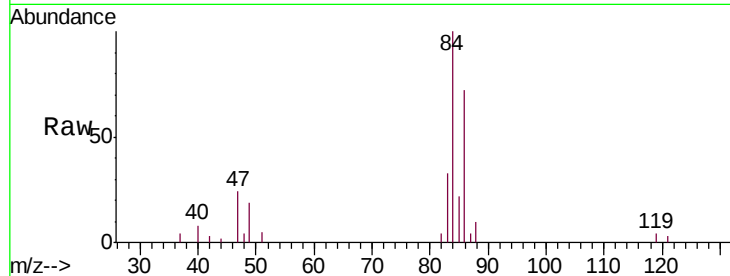




#25  
Chloroform  
Concen: 1.264 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: VV010670.D  
Acq: 03 May 2019 22:16

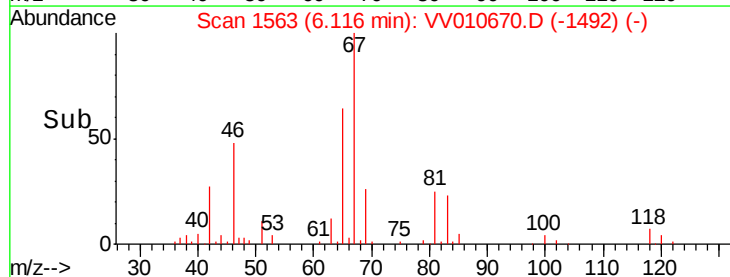
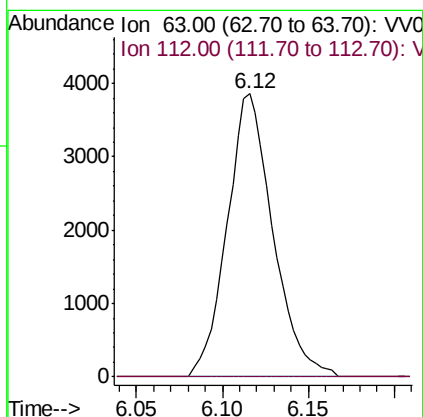
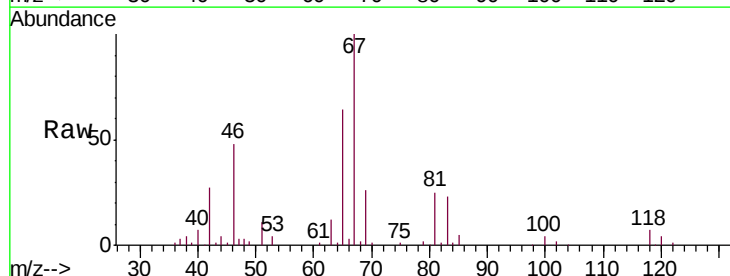
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

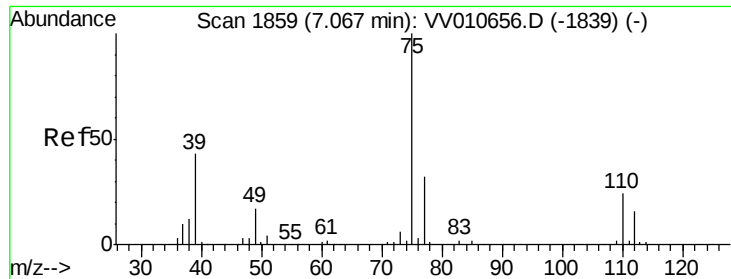
Tgt Ion: 83 Resp: 5551  
Ion Ratio Lower Upper  
83 100  
85 42.8 46.3 86.1#



#40  
1,2-Dichloropropane  
Concen: 3.092 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV010670.D  
Acq: 03 May 2019 22:16

Tgt Ion: 63 Resp: 7143  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



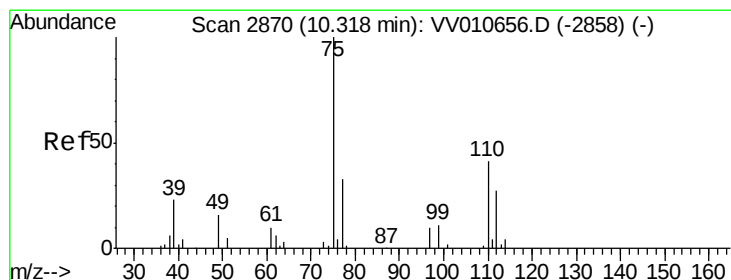
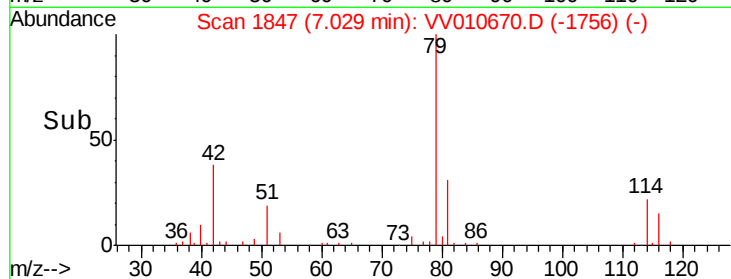
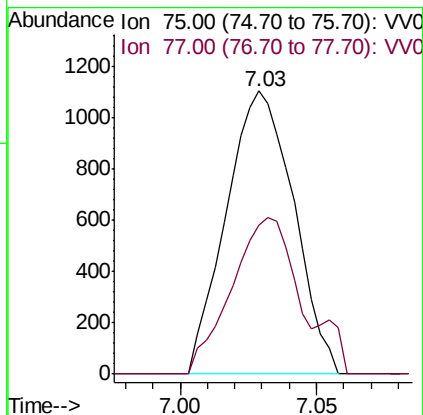
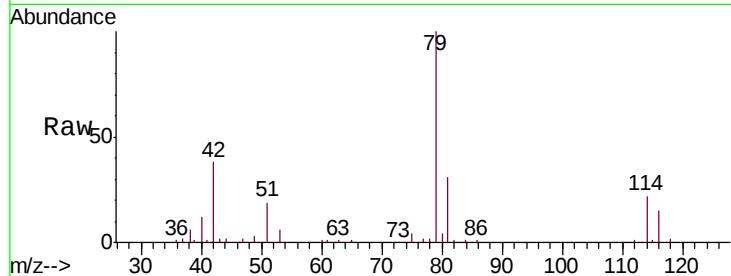


#42

cis-1,3-Dichloropropene  
Concen: 0.560 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV010670.D  
Acq: 03 May 2019 22:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Tgt Ion: 75 Resp: 1893  
Ion Ratio Lower Upper  
75 100  
77 52.7 21.8 40.4#



#59

1,2,3-Trichloropropane  
Concen: 5.298 ug/L  
RT: 11.30 min Scan# 3174  
Delta R.T. 0.98 min  
Lab File: VV010670.D  
Acq: 03 May 2019 22:16

Tgt Ion: 75 Resp: 9592  
Ion Ratio Lower Upper  
75 100  
77 39.3 25.6 38.4#

